AMENDMENTS TO THE CLAIMS

Applicant submits below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of the Claims

1-65. (Cancelled)

66. (Currently amended) A method for operating a user characterization system, which executes on a computer separate from a remote user wearing a thin client wearable computer, to provide information about a current state of the remote user of the thin client wearable computer, the user characterization system modeling the current state with multiple state attributes and including state server modules (SSMs) to supply values for the state attributes, state client modules (SCMs) to process values for the state attributes, and an intermediary module that comprises at least one Application Programming Interface (API) to facilitate exchange of state attribute values with one or more state client modules (SCMs) that process values for the state attributes, the method comprising:

under control of each of at least one of the SSMs of the user characterization system, gathering information about the current state of the remote user wirelessly from the thin client wearable computer, generating values for at least one of the state attributes based on the gathered information, and sending the generated values to the intermediary module;

under control of each at least one of the SCMs of the user characterization system, receiving values for at least one state attribute from the intermediary module and performing processing based on the received values;

under control of the intermediary module of the user characterization system, facilitating exchange of values by,

receiving the sent values for the state attributes from the SSMs; and

automatically, with at least one processor, ~~modeling~~ computing values of other state

attributes based at least in part on the sent values of the state attributes, the computing

generating a value characterizing ~~by abstracting an~~ a physical activity of the user ~~derived~~

from the sent values of the state attributes, the physical activity being at a higher level of

abstraction and the sent values being at [[of]] a lower level of abstraction;

sending at least some of the received state attribute values and at least some of the modeled

other state attribute values through the at least one API to an SCM of the at least one ~~of the~~ SCMs;

and

from the characterization system, interacting with the thin client wearable computer, the

interacting comprising:

providing a value for at least one of the ~~modeled~~ computed other state attributes to

the thin client wearable computer, said value indicating the physical activity of the user~~, and~~

~~——— receiving information about the current state of the remote user from the thin client~~

~~wearable computer.~~

67.   (Previously presented) The method of claim 66 wherein the thin client wearable

computer includes an output device, and wherein the interacting with the thin client wearable

computer includes sending information about the current state for presentation to the remote user on

the output device.

68-70. (Canceled)

71.   (Previously presented) The method of claim 66 wherein the thin client wearable

computer lacks resources accessible to the computer executing the user characterization system, and

wherein the interacting with the thin client wearable computer includes receiving a request to access

at least one of the resources on behalf of the thin client wearable computer and accessing those

resources in response.

72.   (Previously presented) The method of claim 71 wherein the at least one resources include processing capabilities of the computer executing the user characterization system, wherein the accessing of those resources includes using the processing capabilities on behalf of the thin client wearable computer, and including sending an indication of results to the thin client wearable computer.

73.   (Canceled)

74.   (Previously presented) The method of claim 71 wherein the at least one resources include a computer-readable storage medium of the computer executing the user characterization system, and wherein the accessing of those resources includes storing information received from the thin client wearable computer on the computer-readable storage medium.

75.   (Previously presented) The method of claim 71 wherein the computer executing the user characterization system has a sensor receiving information about the remote user of the thin client wearable computer, and wherein the gathering of the information about the current state of the remote user by at least one of the SSMs includes obtaining information from the sensor.

76.   (Canceled)

77.   (Original) The method of claim 66 wherein the gathering of the information about the current state of the user by at least one of the SSMs includes obtaining information from at least one sensor that is part of the thin client wearable computer.

78.   (Currently amended) The method of claim 66 ~~wherein the performing of the~~ further comprising processing based on the received values, by at least one of the SCMs, the processing including ~~includes~~ supplying information to at least one output device that is part of the thin client wearable computer.

79-81. (Canceled)

82.   (Original) The method of claim 66 wherein at least some of the SSMs are available to supply values for additional state attributes of a current state other than for the user, and wherein the intermediary module additionally sends values for the additional state attributes to SCMs.

83-173. (Cancelled)

174.   (Currently amended) The method of claim 66, wherein:

the state attributes comprise a geographic location and speed,

generating values under control of each of the at least one of the SSMs comprises generating values for the state attributes of geographic location and speed,

~~abstracting~~ the computing to generate the value characterizing the physical activity of the user ~~is derived~~ includes in part deriving values from the sent values of the state attributes for the geographic location and the speed, and

interacting with the thin client wearable computer comprises wirelessly transmitting the derived value characterizing the physical activity of the user to the thin client wearable computer from the user characterization system.

175.   (Currently amended) The method of claim 66, wherein:

~~abstracting~~ the computing to generate the value characterizing the physical activity of the user comprises characterizing or inferring from the sent values of the state attributes that the user's current activity comprises talking.

176-180. (Canceled)

181.   (Currently amended) The method of claim 66, wherein the value characterizing the physical activity of the user is derived in part from sent values of the state attributes based in part on ambient environmental information.

182-183.   (Canceled)

184.   (Currently amended) The method of claim 66, wherein the <u>physical</u> activity of the user ~~abstracted~~ is the activity of exercising.

185.   (Currently amended) The method of claim 66, wherein the <u>physical</u> activity of the user ~~abstracted~~ is the activity of talking.

186.   (Currently amended) A system that communicates wirelessly with a mobile computer at a remote location to provide at least a portion of a current state to the remote, mobile computer, the current state modeled with multiple state attributes, the system comprising:

a receiver;

a transmitter;

a processor configured to execute computer-executable instructions for performing a process of:

obtaining first values for at least one of the state attributes based on sensor data wirelessly received from the mobile computer through the receiver;

modeling a second value of a second state attribute based at least in part on the first values, the second value modeled by ~~abstracting~~ <u>selecting a value characterizing</u> a user activity <u>from a set comprising driving and walking</u> ~~derived from the first values, the first values being from a lower level of abstraction than the second value~~; and

~~wirelessly transmitting through the transmitter the~~ <u>providing</u> at least a portion of the current state from the system ~~to the mobile computer~~, the at least a portion of the current state including the second value indicating the user activity.

187.   (Previously presented) The system of claim 186, wherein the current state is the current state of a remote user of the mobile computer.

188.   (Previously presented) The system of claim 187, wherein the abstracted user activity is an activity of the remote user.

189.   (Currently amended) The system of claim 188, wherein:

the providing at least a portion of the current state comprises wirelessly transmitting the portion of the current state through the transmitter from the system to the mobile computer, and

the remote mobile computer is a thin client computer that is wearable by the remote user and has an output device for presenting the information about the current state of the remote user received from the system.

190.-192   (Canceled)

193. (Currently amended)   A system that communicates wirelessly with a mobile computer at a remote location to provide at least a portion of a current state to the remote, mobile computer, and multiple state attributes, the system comprising:

a transmitter;

a receiver;

at least one processor implementing a user characterization system to model the current state with multiple state attributes, the user characterization comprising:

state server modules (SSMs) to supply values for the state attributes,

state client modules (SCMs) to process values for the state attributes, and

an intermediary module to facilitate exchange of state attribute values,

wherein:

at least one of the SSMs of the user characterization system gathers information about the current state of the user wirelessly through the receiver from the mobile computer, generates values for at least one of the state attributes based on the gathered information, and sends through the transmitter the generated values to the intermediary module;

at least one of the SCMs of the user characterization system, receives values for at least one state attribute from the intermediary module and performs processing based on the received values;

the intermediary module of the user characterization system[[,]] facilitates exchange of values by,

receiving the sent values for the state attributes from the SSMs; and

automatically modeling values of other state attributes based at least in part on the sent values of the state attributes by ~~abstracting~~ computing a value characterizing an activity of the user ~~derived~~ from the sent values of the state attributes of a lower level of abstraction;

the intermediary module sends at least some of the received state attribute values and at least some of the modeled other state attribute values to the at least one of the SCMs; and

the intermediary module interacts with the mobile computer, the interacting comprising:

providing a value for at least one of the modeled other state attributes to the mobile computer, said value indicating the activity of the user, and

receiving information about the current state of the remote user from the mobile computer.

194. (Currently amended)   The system of claim 193, wherein:

~~the system further comprises~~ the mobile computer includes an output device, and

interacting with the thin client wearable computer includes sending information about the current state for presentation to the remote user on the output device